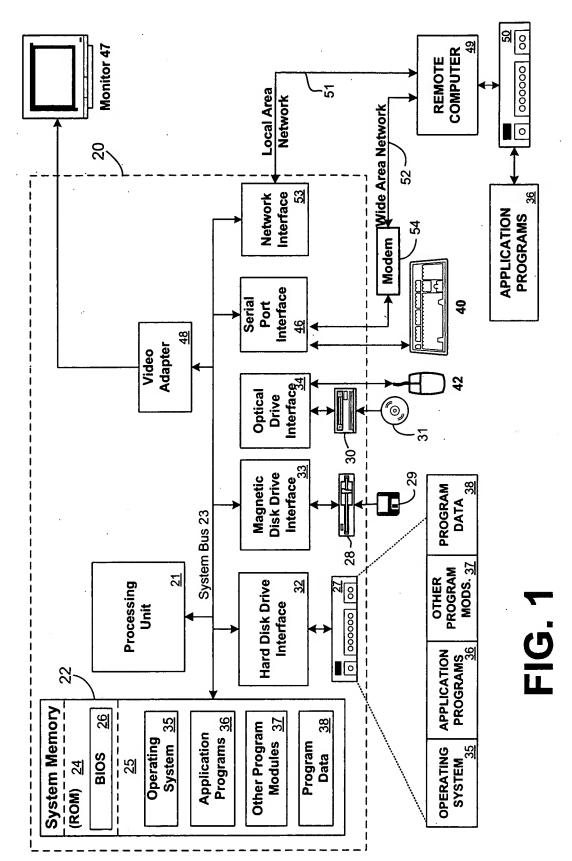
Docket No.: 141529.02/MSFT-2743

App No.: Not yet assigned Filed: Herewith
Title: Systems and Methods for Transforming Query Results into Hierarchical Information
Inventor: Michael Rys
Attorney: Thomas E. Watson Phone: (215) 568-3100

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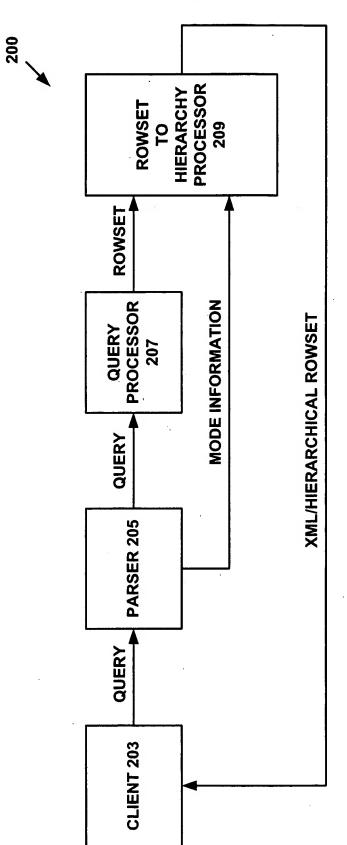
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Inventor: Michael Rys

Attorney: Thomas E. Watson Phone: (215) 568-3100

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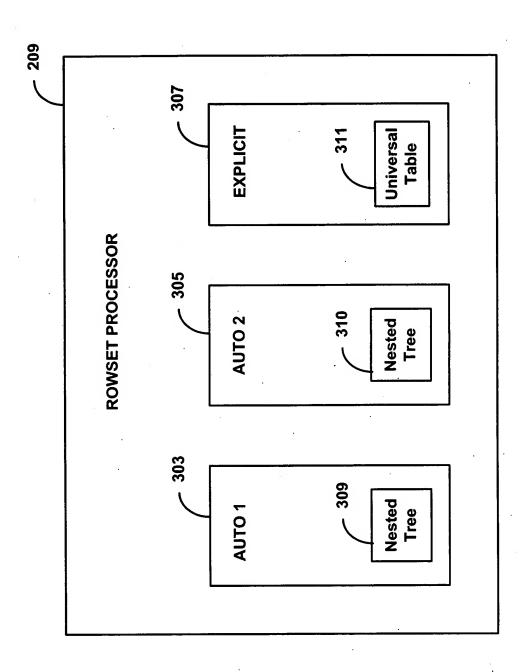
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Attorney: Thomas E. Watson

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Inventors: Michael Rys et al. Attorney: Thomas E. Watson

Phone: (215) 588-3100

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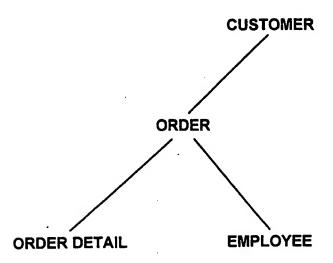


FIG. 4A

FIG. 4B

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Attorney: Thomas E. Watson Phone: (215) 568-3100

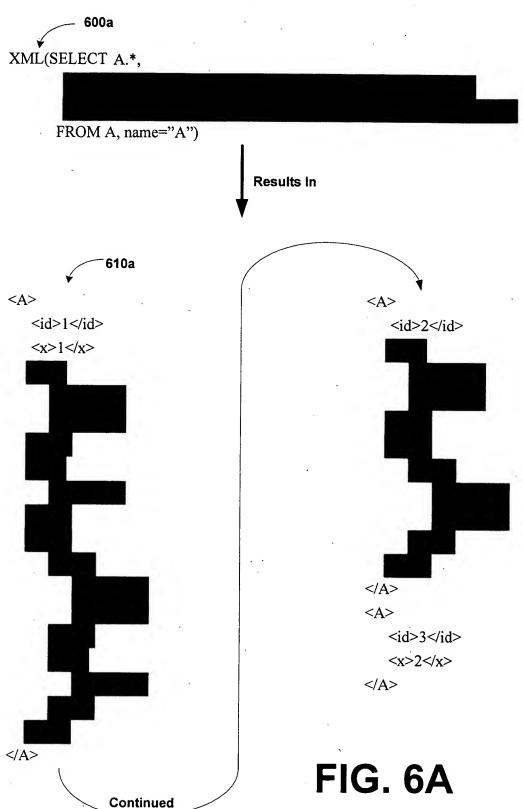
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			·		S	heet 5 of 10)		
		OrderDetail!3!id!idref	NULL	NULL	IM	PA	NULL		
· -	-	OrderDetail!3!id!id	NULL	NULL		ZOO .	NULL		
	507	Order!2!date	NULL	933W0WL	NOLL	TION	LEGOVECUS.		5.5
		Order!2!id	NULL	10	01	10	.		FIG. 5
		Customer!1!name	COLVINION TO	NULL	NULL	NULL	NULL		
		Customer!1!cid		C1	C1	C1	CI		
311	1	PARENT	NULL	1	2	2	. —	503 505	
		TAG	-	2	3	4	5		

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Title: Systems and Methods for Transforming Query Results into Hierarchical Information Inventor: Michael Rys Attorney: Thomas E. Watson Phone: (215) 568-3100 Sheet 7 of 10 600b XML(SELECT A.*, FROM A, name="A", default namespace ="http://example.com/1") Results In 610b <id>1</id> <id>2</id> <x>1</x> <id>3</id> < x > 2 < /x > FIG. 6B

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Continued

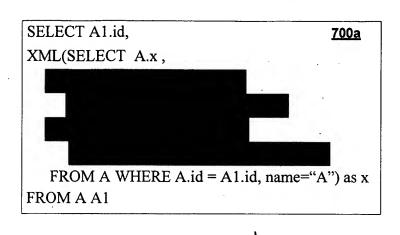
Docket No.: 141529.02/MSFT-2743 App No.: Not yet assigned

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Information Inventor: Michael Rys Attorney: Thomas E. Watson

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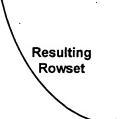
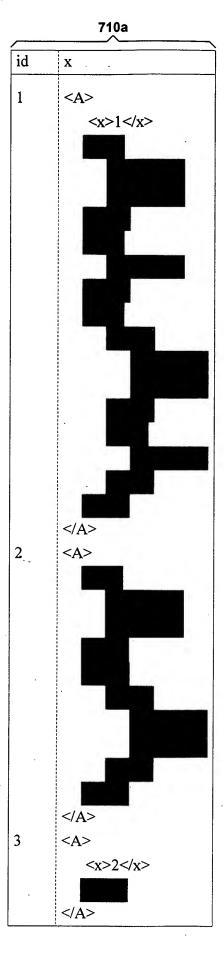


FIG. 7A



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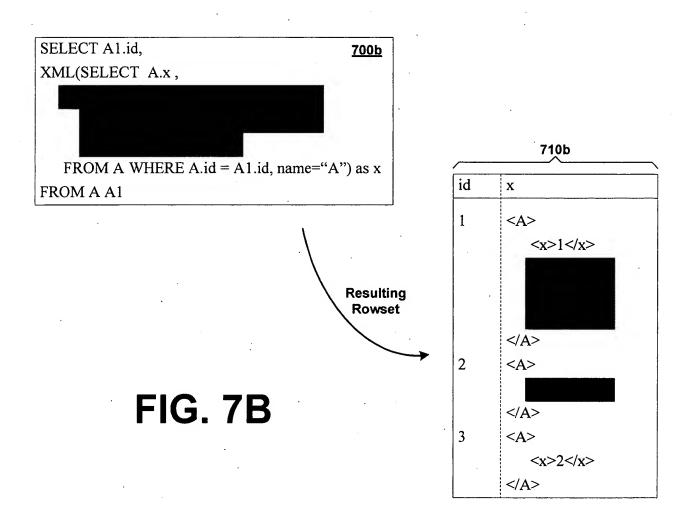
Inventor: Michael Rys Attorney: Thomas E. Watson

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A	720a
id	x
1	1
2	NULL
3	2

В	<u>720b</u>
a	у
1	2
1	5
1	1
2	1



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Inventor: Michael Rys Attorney: Thomas E. Watson

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A	<u>730a</u>
id	x
1	1
2	NULL
3	2

В	<u>730c</u>
a	У
1	ʻa'
1	ʻb'
1	'c'
2	'd'

